

AMENDMENTS

In the Specification:

On pages 6-11, please amend paragraphs 0019-0039 to read:

[0019] Objects of inventions are to provide an image receiving sheet which can be used repeatedly, to improve a mechanical retentivity as compared with the image receiving sheet described in Published Patent Application (KOKAI) No. 6-43682, and to improve a desired property as demanded by consumers with regard to properties such as a toner retentivity including electric factor, a toner transferability and a cleaning ability (toner removability).

[0020] An object of the invention is to improve three properties of the electric toner: the retentivity, the toner transferability and the cleanability (toner removability), as a whole.

[0021] An object of the invention is to further improve the above-mentioned three properties in all.

[0022] An object of the invention is to further improve particularly the transferability and the retentivity.

[0023] An object of the invention is to provide an image receiving sheet which can be used repeatedly, to improve a mechanical retentivity as compared with the image receiving sheet described in Published Patent Application (KOKAI) No. 6-43682, and to improve even the cleanability (toner removability).

[0024] An object of the invention is to further improve the mechanical retentivity.

[0025] Other objects of the invention are to provide an image receiving sheet which can be used repeatedly, and to improve the retentivity of toner particles and the cleanability (toner removability).

[0026] Other objects of the invention are to improve the transferability and retentivity of toner particles in the image forming method and image forming apparatus of the non-fixing type image receiving sheet.

2. SOLUTION FOR THE PROBLEMS

[0027] (1) In order to accomplish the above objects, the invention is characterized by that, in the non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and a sectional structure of the image receiving sheet is composed of a multilayer structure which includes at least a sheet surface layer having the above concave portions and convex portions and a sheet core layer.

[0028] (2) The invention according to an embodiment is characterized by that, in the non-fixing type image receiving sheet, volume resistivities of respective layers are different from each other.

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[0029] (3) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet, a volume resistivity of the sheet surface layer is larger than a volume resistivity of the sheet core layer.

[0030] (4) The invention according to yet another embodiment is characterized by that, in the non-fixing type image receiving sheet, a volume resistivity of the sheet surface layer is set to $10^{12} \Omega \cdot \text{cm}$ or larger and a volume resistivity of the sheet core layer is set to $10^4 \Omega \cdot \text{cm}$ or larger and to $10^{10} \Omega \cdot \text{cm}$ or smaller.

[0031] (5) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet, the concave portion forming the above uneven surface is formed into a grooved shape and the convex portion is formed into a convex stripe extending along the grooved concave portion.

[0032] (6) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on the surface of the image receiving sheet, and a center line average roughness Ra of the surface of the image receiving sheet is set to $0.2 \mu\text{m}$ or larger and to $1.0 \mu\text{m}$ or smaller.

[0033] (7) The non-fixing type image receiving sheet is characterized by that, in the non-fixing type image receiving sheet, the concave portion composing the above uneven surface is formed into a grooved shape, and the convex portion is formed into a ridged-shape convex stripe extending along the grooved-shape concave portion.

[0034] (8) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on the surface of the image receiving sheet, and the surface of the image receiving sheet forming the concave portion and convex portion is made of high-molecular compound including fine particles of metal oxide.

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[0035] (9) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet, a content of the fine particles of metal oxide is set to 0.1 g through 2 g per square meter of the image receiving sheet.

[0036] (10) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet, fine particles of zinc oxide, titanium oxide or alumina are contained for use as the fine particles of metal oxide.

[0037] (11) The invention according to another embodiment is characterized by that, in the non-fixing type image receiving sheet, fine particles of calcium carbonate or silica are contained in place of the metal oxide.

[0038] (12) The invention according to another embodiment is characterized by that, in the image forming method for the non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on the surface of the image receiving sheet, and the surface of the image receiving sheet is charged to a polarity opposite to the charged polarity of toner particles for serving as a pre-process, in advance of transferring the toner image to the image receiving sheet.

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[0039] (13) The invention according to another embodiment is characterized by that, in the image forming apparatus for the non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on the surface of the image receiving sheet, and there are installed two apparatuses: a transferring apparatus which transfers the toner image to the surface of image receiving sheet, and a sheet charging apparatus which charges the surface of the image receiving sheet to a polarity opposite to the charged polarity of the toner particles, in advance of the transferring process carried out by the transferring apparatus.

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On pages 21-22, please amend paragraph 0083 to read:

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[0083] (4) The image receiving sheet S to which the toner image has been transferred is transported to the convex stripe cleaning apparatus 22 of Fig. 3, and the toner particles 10 adhering to the convex stripe portion 6 are collected by an electrostatic force of a charged roller (positive charge) 35, as shown in Fig. 5. In this instance, the collecting conductive brush roller 25 is applied with a bias of about +300V, and a counter roller 26 is grounded, as shown in Fig. 3.

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On pages 44-45, please amend paragraph 0151 to read:

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[0151] The sheet feeding portion 212 has a feeding tray 226 accommodating the image receiving sheet S. Further, the sheet feeding portion 212 has a dividing mechanism 228 which divides and sends only the top-positioned sheet among plural image receiving sheets S laid and accommodated in the feeding tray 226, and a feeding-out mechanism 232 which feeds out the top-positioned sheet divided from a lower layer sheet by the dividing mechanism 228 along a sheet transporting path 230. In this embodiment, a dividing apparatus 232 having a pick-up roller contacting with the top-positioned sheet and a dividing pad contacting with an outer peripheral face of the pick-up roller, is used for the dividing mechanism 228. However, a dividing mechanism having another structures may be used. Such a roller transporting

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apparatus utilized in a sheet transporting apparatus for conventional copying machine and printer etc., is used for the feeding out mechanism 232; in which a first shaft connected to a drive system and a second shaft disposed in parallel with the former are installed, plural rollers (rubber rollers, for instance) are fitted to these shafts with specified distances put between them, the sheet is transported by being sandwiched between a roller fitted to one-side roller and a roller fitted to the other-side roller.

(Impregnating portion)
